	Application No.	Applicant(s)
Notice of Allowability	09/824,650	WENG ET AL.
	Examiner	Art Unit	
	Michael Pyzocha	2137	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *03/31/2005*.

2. ☒ The allowed claim(s) is/are *1-29*.

3. ☒ The drawings filed on *04 April 2001* are accepted by the Examiner.

4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☒ All   b) ☐ Some*   c) ☐ None of the:
       1. ☒ Certified copies of the priority documents have been received.
       2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
       3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the
            International Bureau (PCT Rule 17.2(a)).
    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .
    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
        Paper No./Mail Date _____ .

  Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
    Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
    of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
    Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____ .

Andrew Caldwell
ANDREW CALDWELL
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

1.   Claims 1-29 are pending.

2.   Amendments filed 01/19/2005 and 03/01/2005 have been received and considered.

Specification

3.   The objections to the specification have been withdrawn based on the filed amendments.

Claim Objections

4.   The claim objections have been withdrawn based on the amendments filed.

Claim Rejections - 35 USC § 103

5.   The rejections under 35 USC 103 have been withdrawn based on Applicant's arguments.

Response to Arguments

6.   Applicant's arguments, filed 01/19/2005, with respect to the pending claims have been fully considered and are persuasive.

EXAMINER'S AMENDMENT

The application has been amended as follows:

7.   An examiner's amendment to the record appears below. Should
the changes and/or additions be unacceptable to applicant, an
amendment may be filed as provided by 37 CFR 1.312. To ensure
consideration of such an amendment, it MUST be submitted no
later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a
telephone interview with Nelson A. Quintero on 03/31/2005.

Amendments to the Specification

Amend the sentence beginning at page 4, line 5, to read as follows:

~~It followed that the encrypted channels 15 then encrypt each channel separatively~~ It follows that the encryption module 15 then separately encrypts each channel with a plurality of encryption units, which requires different means for decryption to strengthen the control over channels.

Amendments to the Claims

Claim 1 (previously presented): A system for data
encryption/decryption in a client-server architecture,
comprising:

    a server apparatus, comprising:

        a data management module for storing a plurality of data
        sources;

        a channel management module for differentiating said data
        sources into a plurality of channels;

        a encryption module for generating a plurality of
        encrypted channels based on corresponding encryption
        methods according to said channels; and

        a data-transferring module for transferring a data stream
        of said corresponding encrypted channel upon receiving
        requests of said channels; and

    a client apparatus, comprising:

        a channel-receiving module, represented as a window
        interface, comprising:

            a data-receiving unit for making said request and
            receiving said data stream;

            a channel differentiating unit for differentiating
            said data stream of said encrypted channels;

            a data buffer unit for saving said encrypted channels;

            a first interface unit for controlling said window
            interface over displaying said encrypted channels from
            said data buffer unit;

            a first detection unit for detecting whether or not a
            designated icon is positioned on said window
            interface; and

a decryption module represented as said designated icon, comprising:

a second interface unit for controlling the display of said designated icon;

a second detection unit for sending a decryption signal as said designated icon is positioned on said window interface;

a decryption unit for starting decrypting said encrypted channels upon receiving said decryption signal and generating corresponding decrypted channels, then displaying said decrypted channels on a decryption window provided by the designated icon.

Claim 2 (Original): The system of claim 1, wherein said channel-receiving module is downloaded to said client apparatus via network.

Claim 3 (Original): The system of claim 1, wherein said decryption module is downloaded to said client apparatus via network.

Claim 4 (Original): The system of claim 1, wherein said decryption module is dragged and dropped onto the receiving module of said channels with input equipments.

Claim 5 (Original): The system of claim 4, wherein password authentication is available before dragging and dropping said decryption module.

Claim 6 (Original): The system of claim 1, wherein content of said channel contains static texts, images or both.

Claim 7 (Original): The system of claim 1, wherein content of said channel contains animated texts, images or both.

Claim 8 (Original): The system of claim 1, wherein content of said channel is audio.

Claim 9 (Currently Amended): A system for data encryption/decryption in a client-server architecture, comprising:

a server apparatus for transmitting said data, differentiating said data into a plurality of channels, said service apparatus comprising ~~a plurality of encryption unit which encrypts~~ a plurality of encryption units which encrypt said channels and generates a plurality of corresponding decryption units; and

a client apparatus for receiving said channels, comprising a channel-receiving unit for said channels, said client apparatus accessing a decryption unit, moving said decryption unit onto the top layer of said channel-receiving unit and starting said channel ~~decrypted~~ decryption.

Claim 10 (Original): The system of claim 9, wherein said channel-receiving unit is a window interface.

Claim 11 (Original): The system of claim 9, wherein said decryption unit can be a magnifier icon or other similar icons.

Claim 12 (Original): The system of claim 9, wherein said channel-receiving module is downloaded to said client apparatus via network.

Claim 13 (Original): The system of claim 9, wherein said decryption unit is downloaded to said client apparatus via network.

Claim 14 (Currently Amended): The system of claim 9, wherein said channel-receiving unit is downloaded to said client apparatus ~~from storage medium~~ from a storage medium.

Claim 15 (Currently Amended): The system of claim 9, wherein said decryption unit is downloaded to said client apparatus ~~from storage medium~~ from a storage medium.

Claim 16 (Original): The system of claim 9, wherein said decryption unit is dragged and dropped onto the top layer of said channel-receiving unit with input equipments.

Claim 17 (Original): The system of claim 16, wherein password authentication is available before dragging and dropping the decryption module.

Claim 18 (Currently Amended): A system for data encryption/decryption in a client-server architecture, comprising:
   a channel-receiving unit represented as a window interface for receiving encrypted data; and
   a decryption unit represented ~~as a icon~~ as an icon for decryption and required to be moved onto the top layer of receiving unit of the channel to start said decryption.

Claim 19 (Original): The system of claim 18, wherein said decryption unit is dragged and dropped onto the top layer of said channel-receiving unit with a mouse or other input equipments.

Claim 20 (Original): The system of claim 19, wherein password authentication is available before dragging and dropping the decryption module.

Claim 21 (Currently Amended): A system for data encryption/decryption
in a client-server architecture and differentiating said data into a
plurality of channels, comprising a service system for transmitting
said channels, encrypting the channels separately and offering
corresponding a plurality of decryption ~~unit~~ units for the use of
decryption, wherein said decryption unit is represented as a icon and
requires to be moved onto a window interface of said channel to start
encryption, and said decryption unit temporarily stores and displays
~~said channels decrypted~~ said decrypted channels.

Claim 22 (Currently Amended): A method for data encryption/decryption
in a client-server architecture, comprising:

     receiving and storing said data encrypted in a window interface;

     moving a decryption icon of ~~said data encrypted~~ said encrypted
data onto top layer of said window interface; and

     executing decryption and displaying ~~said data decrypted~~ said
decrypted data on a decrypted window provided by the designated icon.

Claim 23 (Original): The method of claim 22, wherein said decryption
icon can be a magnifier icon or other similar icons.

Claim 24 (Original): The method of claim 22, wherein said decryption
icon is dragged and dropped onto the top layer of said channel-
receiving unit with input equipments.

Claim 25 (Original): The system of claim 24, wherein password
authentication is available before dragging and dropping the
decryption icon.

Claim 26 (Currently Amended): A method for data encryption/decryption
in a client-server architecture, comprising:

     differentiating data of said server into a plurality of channels;

encrypting a plurality of channels separately and generating corresponding decryption units and a plurality of encrypted channels;

transferring a data stream of said encrypted channels upon receiving a first request for said channels at said server;

making said first request and receiving said data stream at the client;

differentiating said data stream into said encrypted channels at the client;

moving a decryption unit onto said encrypted channels and generating ~~said channels decrypted~~ said decrypted channels at said client;

receiving ~~said channels decrypted~~ said decrypted channels at said decryption unit of said client.

Claim 27 (Original): The method of claim 26, wherein said decryption unit can be a magnifier icon or other similar icons.

Claim 28 (Original): The method of claim 26, wherein said decryption unit is dragged and dropped onto the top layer of said encrypted channel with input equipments.

Claim 29 (Original): The system of claim 28, wherein password authentication is available before dragging and dropping said decryption unit.

Allowable Subject Matter

8.   Claims 1-29 are allowed.

9.   The following is a statement of reasons for the indication

of allowable subject matter: Regarding the independent claims

Applicant argues that combining the teaching of Wyard's drag and

drop would destroy the automatic decryption of Payton and

provides no motivation to use Wyard's drag and drop to perform

the decryption of Payton. Applicant's arguments are persuasive

and therefore the pending claims are allowable.

    Any comments considered necessary by applicant must be

submitted no later than the payment of the issue fee and, to

avoid processing delays, should preferably accompany the issue

fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

10.   The prior art made of record and not relied upon is

considered pertinent to applicant's disclosure. Salahshour et al

(US 5577125), Ote et al (US 6023506), Hair (US 6615349) and

Dynacrypt disclose a method for graphical encryption and

decryption using drag and drop.

    Any inquiry concerning this communication or earlier

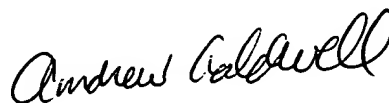communications from the examiner should be directed to Michael

Pyzocha whose telephone number is (571) 272-3875. The examiner
can normally be reached on 7:00am - 4:30pm first Fridays of the
bi-week off.

If attempts to reach the examiner by telephone are
unsuccessful, the examiner's supervisor, Andrew Caldwell can be
reached on (571) 272-3868. The fax phone number for the
organization where this application or proceeding is assigned is
703-872-9306.

Information regarding the status of an application may be
obtained from the Patent Application Information Retrieval
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Private PAIR only. For more information about the PAIR system,
see http://pair-direct.uspto.gov. Should you have questions on
access to the Private PAIR system, contact the Electronic
Business Center (EBC) at 866-217-9197 (toll-free).

MJP

**ANDREW CALDWELL
SUPERVISORY PATENT EXAMINER**